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APR 16 1970

CURRENT SERIAL RECORDS

WATER SUPPLY OUTLOOK FOR NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,
and

NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed on the last page of this report.

AS OF
APR. 1, 1970

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES.

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT

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WASHINGTON, D C.

|||||

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DETAILED WATER SUPPLY OUTLOOK BY MAJOR AREAS:

Truckee, Carson, and Walker Watersheds	Area 1
Surprise Valley, California, and Northwest Nevada	Area 2
Humboldt and Owyhee Watersheds	Area 3
East Central and Southern Nevada	Area 4

LIST OF COOPERATORS	Inside Back Cover
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ALL AVERAGES ARE FOR 1953-67 PERIOD



AREA LOCATIONS

INDEX TO NEVADA SNOW COURSES (By Basins)

Refer to the map on the following page for Snow Course locations.

NUMBER NAME SEC. TWP. RGE. ELEV.

SNAKE RIVER BASIN

SNAKE RIVER				
15H1MA	BEAR CREEK	31	46N	58E 7800
15H2	FOX CREEK	33	46N	58E 6800
15H13A	GOAT CREEK	31	46N	60E 8800
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E 8945
14H1	JACKS CREEK	6	42N	62E 7000
15H20a	MERRITT MOUNTAIN	10	46N	54E 7000
15H14A	POLE CREEK RANGER STATION	13	46N	59E 8330
15H18a	REG POINT	15	47N	61E 7940
15H3A	76 CREEK	6	44N	58E 7100
15H19a	STAG MTN.	29	41N	58E 7800

OWYHEE RIVER

15H4MP	BIG BEND	30	45N	56E 6700
16H6a	COLUMBIA BASIN	31	44N	53E 6650
16H8a	FAWN CREEK	2	45N	52E 7000
15H5	GOLD CREEK	32	45N	56E 6600
16H1M	JACK CREEK, LOWER	18	42N	53E 6800
16H2A	JACK CREEK, UPPER	9	42N	53E 7250
16H4	JACKS CREEK	28	42N	53E 8420
16H5	LAUREL CREEK	20	45N	53E 6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E 6440
15H9MP	TAYLOR CANYON	35	39N	53E 6200

INTERIOR

UPPER HUMBOLDT RIVER

15J17a	AMERICAN BEAUTY	32	31N	58E 7800
15J12A	CORRAL CANYON	27	28N	57E 8500
15J1MP	DOORSEY BASIN	28	35N	60E 8100
15J3	ORY CREEK	5	32N	59E 6500
15H7	FRY CANYON	31	43N	54E 6700
15J9MP	GREEN MOUNTAIN	23	29N	57E 8000
15J10	HARRISON PASS #1	9	28N	57E 6600
15J11	HARRISON PASS #2	16	28N	57E 7400
15J4	LA MOILLE #1	15	32N	58E 7100
15J5	LA MOILLE #2	14	32N	58E 7200
15J6M	LA MOILLE #3	24	32N	58E 7700
15J7	LA MOILLE #4	19	32N	59E 8000
15J8P	LA MOILLE #5	31	32N	59E 8700
15J18a	POLE CANYON	31	35N	61E 9140
15J16a	ROBINSON LAKE	23	33N	59E 9200
15H6MP	ROOEO FLAT	36	43N	53E 6800
15J2	RYAN RANCH	1	34N	59E 5800
15H8	TREMEAN RANCH	9	39N	55E 7000
15H10P	TROUT CREEK, LOWER	28	37N	61E 6900
15H11A	TROUT CREEK, UPPER	4	36N	61E 8500

LOWER HUMBOLDT RIVER

17K1	BIG CREEK CAMP GROUND	10	17N	43E 6600
17K2	BIG CREEK MINE	23	17N	43E 7600
17K3	BIG CREEK, UPPER	26	17N	43E 7800
17H2	BUCKSKIN, LOWER	25	45N	39E 6700
17H1	BUCKSKIN, UPPER	11	45N	39E 8200
17L1	CORRAL, LOWER	12	11N	40E 7500
17L2	CORRAL, UPPER	20	11N	41E 8000
17J2	GOLCONOA #2	22	35N	39E 6000
17H4	GRANITE PEAK	32	44N	39E 7800
17H5	LAMANCE CREEK	13	42N	38E 6000
17H3	MARTIN CREEK	18	44N	40E 6700
16H3AP	MIDAS	18	39N	46E 7200
16H7	TOE JAM a	29	40N	50E 7700

EASTERN NEVADA

14L1	BAKER #1	29	13N	69E 7950
14L2	BAKER #2	30	13N	69E 8950
14L3	BAKER #3	25	13N	68E 9250
14K2	BERRY CREEK	26	17N	65E 9100
14K1	BIRO CREEK	34	19N	65E 7500
15J13	CAVE CREEK	25	27N	57E 7500
15J14	HAGER CANYON	34	27N	57E 8000
15J15	HOLE-IN-MTN	6	35N	61E 7900
14K8	KALAMAZOO CREEK	34	20N	65E 7400
14K3	MURRAY SUMMIT	25	16N	62E 7250
15K1	ROBINSON SUMMIT	34	18N	61E 7600
14K7	SILVER CREEK #2	30	16N	69E 8000
14K5	WARO MOUNTAIN #2	25	15N	62E 8900

CENTRAL GREAT BASIN

18M2	CAMPITO MTN (CAL.)	19	5S	35E 10200
18M5a	CHIATOVICH FLAT	32	2S	34E 10500
15N2	CLARK CANYON	8	19S	56E 9000
18M1	MONTGOMERY PASS	4	1N	33E 7100
18M3a	PINCHOT CREEK	28	1N	33E 9300
18M4a	PIUTE PASS (CAL.)	33	4S	33E 11700
15N1	TROUGH SPRINGS	23	18S	55E 8500

NORTHERN GREAT BASIN

19H1	BALO MOUNTAIN	17	45N	21E 6720
20H5	BARBER CREEK (CAL.)	23	39N	16E 6500
20H6	CEGAR PASS (CAL.)	12	43N	14E 7100
18G6a	OENIO CREEK (OREG.)	14	41S	34E 6000
18H1	DISASTER PEAK	8	47N	34E 6500
20H3a	OISMAL SWAMP (CAL.)	31	48N	22E 7000
20H7	EAGLE PEAK (CAL.)	35	40N	15E 7200
19H3	49-MTN	7	42N	19E 6000
19H2	HAYS CANYON	1	39N	18E 6400
19H4a	LITTLE BALLY MTN	8	45N	19E 6000
17G5a	OREGON CANYON (OREG.)	9	40S	40E 7240
17H6a	QUINN RIDGE	9	47N	41E 6300
20H4	RESERVATIIN CREEK (CAL.)	12	46N	15E 5900
18G5a	TROUT CREEK (OREG.)	10	41S	38E 7800

NUMBER NAME SEC. TWP. RGE. ELEV.

LAKE TAHOE

19L14	OAGGETTS PASS	19	13N	19E 7350
20L5	ECHO SUMMIT (CAL.)	6	11N	18E 7450
19L2	FREEL BENCH (CAL.)	36	12N	18E 7300
19K6	GLENBROOK #2	13	14N	18E 6900
19L3MSZ	HAGANS MEADOW (CAL.)	36	12N	18E 8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E 8200
19K4MSTZ	MARLETTE LAKE	18	15N	19E 8000
20L3	RICHAROSONS #2 (CAL.)	6	13N	18E 6500
20L1	RUBICON #1 (CAL.)	6	13N	17E 8100
20L2	RUBICON #2 (CAL.)	6	13N	17E 7500
20K16	TAHOE CITY (CAL.)	6	15N	17E 6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E 6400
20K17M	WARO CREEK (CAL.)	21	15N	16E 7000
20K25STZ	WARO CREEK #2 (CAL.)	21	15N	16E 6750

TRUCKEE RIVER

20K14	BOCA #2 (CAL.)	28	18N	17E 5900
20K22	BROCKWAY SUMMIT (CAL.)	3	17N	16E 7100
20K21	DOONER PARK #2 (CAL.)	18	17N	16E 6000
20K10*	DOONER SUMMIT (CAL.)	25	17N	14E 6900
20K7*	FOROYCE LAKE (CAL.)	34	18N	13E 6500
20K8	FURNACE FLAT (CAL.)	10	17N	13E 6700
20K4MP	INDEPENDENCE CAMP (CAL.)	34	19N	15E 7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E 6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E 8450
19K3	LITTLE VALLEY	17	16N	19E 6300
19K2	MT. ROSE	7	17N	19E 9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E 6500
20K19	SQUAW VALLEY #2 (CAL.)	6	15N	16E 7500
20K13M	TRUCKEE #2 (CAL.)	22	17N	16E 6400
20K2	WEBBER LAKE (CAL.)	29	19N	14E 7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E 8000

CARSON RIVER

19L5	BLUE LAKES (CAL.)	30	9N	19E 8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E 8600
19K5	CLEAR CREEK	6	14N	19E 7300
19L19a	EBBETTS PASS (CAL.)	17	8N	20E 8700
19L16a	FISH VALLEY, UPPER (CAL.)	18	7N	22E 8050
19L18a	WET MEADOWS LAKE (CAL.)	26	9N	19E 8100
19L20a	WOLF CREEK (CAL.)	35	8N	20E 8000

WALKER RIVER

19L11	BUCKEYE FORKS (CAL.)	20	4N	23E 8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E 7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E 9400
18L1	LAPON MEADOW	36	8N	28E 9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E 7200
19L17a	LOBLOLL LAKE (CAL.)	20	7N	24E 9200
18L2	MT. GRANT	23	8N	28E 9000
19L7M	SONORA PASS (CAL.)	1	5N	21E 8800
19L23STZ	SONORA PASS BRIDGE	6	5N	22E 8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E 9900
19L13M	VIRGINIA LAKES (CAL.)	5	2N	25E 9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E 8250
19L22NZ	VIRGINIA LAKES RIDGE	32	3N	25E 9200

COLORADO

LOWER COLORADO RIVER

15N5	KYLE CANYON	27	19S	56E 8200
15N4	LEE CANYON #1	10	19S	56E 8400
15N3	LEE CANYON #2	9	19S	56E 9200
15N8	LEE CANYON #3	10	19S	56E 8500
14M1	MATHEW CANYON	10	6S	70E 6000
14M2	PINE CANYON	23	6S	69E 6200
15N7	RAINBOW CANYON #2	6	20S	57E 8100
15L1	WHITE RIVER #1	31	13N	59E 7400

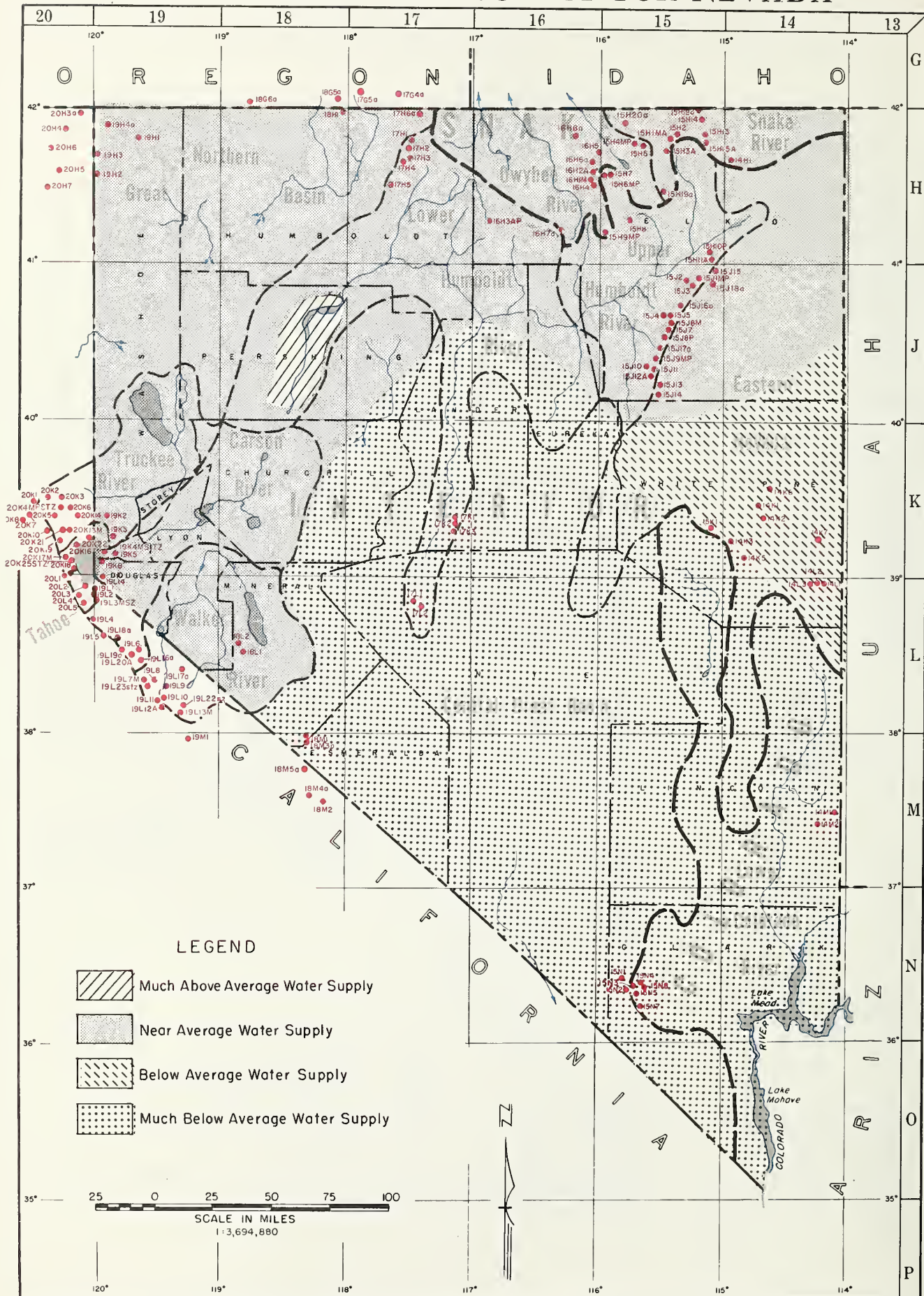
LEGEND NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K4S	SNOW COURSE AND SNOW PILLOW
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4A	SNOW COURSE AND AERIAL MARKER
19K4P	SNOW COURSE AND STORAGE PRECIPITATION GAGE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4MP	SNOW COURSE, SOIL MOISTURE AND PRECIPITATION GAGE
19K4STZ	SNOW COURSE, SNOW PILLOW AND TEMPERATURE RADIO TELEMETERED.

LOWER CASE LETTERS m, a, p, s, i, z, INDICATE NO SNOW COURSE, ONLY A SOIL MOISTURE STATION, AERIAL MARKER, STORAGE PRECIPITATION GAGE, SNOW PILLOW, TEMPERATURE, OR RADIO TELEMETERED.

*LOCATED ON ADJACENT WATERSHED

PROSPECTIVE WATER SUPPLY FOR NEVADA



WATER SUPPLY OUTLOOK FOR NEVADA

AS OF APRIL 1, 1970, A MAJOR PORTION OF THE SURFACE-IRRIGATED LAND WITHIN NEVADA IS PREDICTED TO RECEIVE SLIGHTLY BETTER THAN AVERAGE WATER SUPPLIES THIS SUMMER. WATER SHORTAGES WILL OCCUR FOR SURFACE WATER USERS IN THE REESE RIVER DRAINAGE AND MOST OF THE SOUTHERN PORTION OF THE STATE THIS YEAR, HOWEVER.

THE MOUNTAIN SNOWPACK THROUGHOUT NEVADA AND THE EAST SLOPE OF THE SIERRA NEVADA RANGE IS GENERALLY NEAR NORMAL, WITH THE EXCEPTION OF CENTRAL NEVADA NEAR AUSTIN AND THE ENTIRE SOUTHERN PORTION OF THE STATE, WHICH HAD A VERY LIGHT SNOW COVER THIS YEAR.

RESERVOIR STORAGE IS EXCELLENT THROUGHOUT THE STATE. MAJOR RESERVOIRS CONTAIN 141 PERCENT OF THE QUANTITY OF WATER USUALLY STORED AT THIS TIME. MANY RESERVOIRS ARE CURRENTLY FILLED TO CAPACITY.

Snow surveys taken near April 1 indicate that most of Nevada's mountains did not receive the normal snowfall expected during March. As has been the pattern all winter, the low-elevation snowpack remains quite light, while, at the same time, the snow cover in the headwaters areas is near or above the average.

This situation is especially evident in the Tahoe-Truckee drainage basin this month. The April snowpack ranges from 77 percent of normal on the Little Truckee drainage to 91 percent in the mountains surrounding Lake Tahoe. The Carson River watershed is slightly better with a 94 percent of normal snowpack this year.

Streamflow in the Tahoe-Truckee and Carson River watersheds is expected to be just slightly below average this summer.

Reservoir storage is excellent in both the Truckee and Carson River basins. The Lahontan Reservoir currently contains 246,000 acre-feet of storage and Lake Tahoe is storing 611,000 acre-feet at this time. This excellent reservoir storage, coupled with the near-average streamflow expected this summer, insures water users in the Stillwater, Sheckler, and Lahontan Soil Conservation Districts a good water supply this summer.

Water users in the Smith and Mason Valley Soil Conservation Districts will also have a good water supply this year. Snow cover in the headwaters of the Walker River is currently 94 percent of average. Topaz and Bridgeport Reservoirs are now filled to capacity, and streamflow is expected to be exactly average for the entire Walker River system this year.

The current snowpack throughout the Humboldt, Owyhee, and Snake River drainages in Nevada is generally above average. This near-average snowpack is not readily apparent, because the lower elevations have a very light to non-existent snow cover. The high elevations have a very good snowpack throughout most of the northeast one-fourth of the state, however.

Above-average streamflow is predicted for the Humboldt and its tributaries this year. Rye Patch Reservoir is filled to capacity, and water users along the entire Humboldt should have a good water year.

Irrigation prospects in the Owyhee and Salmon Falls Creek drainages are also quite optimistic. Water is being stored in the new Wild Horse Reservoir at this time.

Surface water supplies in White Pine County are expected to be about 75 percent of average this summer. Because of the lack of low-elevation snow cover, the early spring streamflow may be delayed this spring, however.

The mountain snowpack near Austin is very deficient this year. Similarly, the White River and Meadow Valley Wash drainages had very little snow this season. Surface water supplies in these areas will be very short this summer.

This year's snowpack in most of the mountain areas in the south half of the state is near a record low. There has been less snow on these watersheds in only a few of the past 25 years.



STREAMFLOW FORECASTS (Thousand Acre Feet) as of: April 1, 1970

Forecasts are based on snow-water presently stored in the mountain watersheds and the assumption that precipitation will be near overage throughout the forecast period. Peak flow forecasts indicate the most probable range for the maximum overage 24-hour flow. All overages are for 1953-67 period.

FORECAST POINT	Forecast Period	Forecast This Year	This Year as Percent of Average	Average +
<u>TRUCKEE RIVER</u>				
Little Truckee River above Boca, Calif. ¹	Apr.-July	65	80	81
Truckee River at Farad, Calif. ^{1,2}	Apr.-July	210	81	258
Lake Tahoe Rise in Feet (From April 1 assuming gates closed) ²	Apr.-July	1.20	86	1.39
<u>CARSON RIVER</u>				
East Carson near Gardnerville, Nev.	Apr.-July	160	91	175
West Carson at Woodfords, Calif.	Apr.-July	51	100	51
Carson River near Carson City, Nev.	Apr.-July	153	92	166
Carson River at Fort Churchill, Nev.	Apr.-July	135	90	150
<u>WALKER RIVER</u>				
East Walker near Bridgeport, Calif. ¹	Apr.-Aug.	60	100	60
West Walker below Little Walker near Coleville, Calif.	Apr.-July	150	105	143
<u>COLORADO RIVER</u>				
Virgin River at Virgin, Utah	Apr.-June	25	66	38
<u>HUMBOLDT RIVER</u>				
Lamoille Creek near Lamoille, Nev.	Apr.-July	24	96	25
South Fork Humboldt near Elko, Nev.	Apr.-July	56	97	58
Marys River above Hot Springs, Nev.	Apr.-July	34	121	28
North Fork Humboldt at Devils Gate, Nev.	Apr.-July	28	108	26
Humboldt River at Palisade, Nev.	Apr.-July	177	115	154
Humboldt River at Comus, Nev.	Apr.-July	130	118	110
Martin Creek near Paradise, Nev.	Apr.-July	17	121	14

+ 1953-1967 period.

STREAMFLOW FORECASTS (Thousand Acre Feet) as of: April 1, 1970 (Continued)

FORECAST POINT	Forecast Period	Forecast This Year	This Year as Percent of Average	Average +
<u>SNAKE RIVER</u>				
Owyhee River near Owyhee, Nev. ¹	Apr.-July	73	122	60
Owyhee River near Gold Creek, Nev. ¹	Apr.-July	18	112	16
Salmon Falls Creek near San Jacinto, Nev.	Mar.-July	85	128	67
<u>SURPRISE VALLEY</u>				
Bidwell Creek near Ft. Bidwell, Calif.	Apr.-July	11.3	98	11.5
Mill Creek near Cedarville, Calif.	Apr.-July	4.5	96	4.7
Deep Creek near Cedarville, Calif.	Apr.-July	3.3	100	3.3
Eagle Creek near Eagleville, Calif.	Apr.-July	4.3	100	4.3
¹ Corrected for storage ² Forecast issued by Truckee Basin Committee				

+ 1953-1967 period.

PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Little Truckee River - Inflow to Stampede Reservoir	760 - 840	902
East Fork Carson River near Gardnerville, Nev.	1475 - 1630	1724
Carson River near Carson City, Nev.	1480 - 1640	1825
Carson River at Fort Churchill, Nev.	1425 - 1575	1678
West Walker River below Little Walker near Coleville, Calif.	1520 - 1680	1548

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
East Carson River near Gardnerville, Nev.	200	7/18	7/23

SOIL MOISTURE MEASUREMENTS

STATION	Profile (Inches)		Soil Moisture (Inches)		
	Depth	Capacity	Date	This Year	Average †
<u>OWYHEE-HUMBOLDT</u>					
Big Bend	48	16.70	2/19	12.0	15.9 *
Bear Creek	72	16.90	3/27	8.6	12.9 *
Rodeo Flat	42	11.00	2/19	4.0	10.8 *
Taylor Canyon	48	15.10	2/19	12.7	14.0 *
<u>TAHOE-TRUCKEE</u>					
Hagans Meadow	36	3.65	3/27	2.0	3.5 *
Independence Camp	34	6.10	3/31	2.9	5.6 *
Marlette Lake	50	3.70	3/25	2.1	3.3 *
Sonora Pass	48	8.30	3/24	5.3	8.3 *
Ward Creek	49	5.80	3/30	5.1	5.8 *

† 1953-1967 period.

RESERVOIR STORAGE (Thousand Acre Feet) as of April 1, 1970

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average [†]
Owyhee	Wild Horse	72	14	4	18
Lower Humboldt	Rye Patch	179	181	57	84
Colorado	Mohave	1,810	1,609	1,652	1,695
Colorado	Mead	27,217	16,597	15,386	16,070
Tahoe	Tahoe	732	611	539	431
Truckee	Boca	41	27	2	11
Truckee	Stampede	220	81	Storage began 8/1/69	
Truckee	Prosser **	30	10	3	9 *
Carson	Lahontan	286	246	117	217
West Walker	Topaz	59	60	14	44
East Walker	Bridgeport	42	43	3	34
** Flood control use allocation of 20,000 acre-feet between November 1 and April 10.					

TOTAL RESERVOIR STORAGE (Thousand Acre Feet)

MONTH	This Year	Last Year	Average [†]
October 1	999	649	656
January 1	1,062	694	660
February 1	1,255	881	715
March 1	1,206	922	768
April 1	1,182	796	839
May 1		902	890

[†] 1953-1967 period.

The above data developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-Feet.

TOTAL USABLE CAPACITY 1,411

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME					Last Year	Average †
<u>LAKE TAHOE</u>						
Echo Summit (Calif.)	4/1	67	29.4	65.6	33.8	
Freel Bench (Calif.)	3/26	9	4.2	31.2	9.6	
Glenbrook #2	3/30	29	9.8	26.4	11.1	
Hagans Meadow	3/26	33	14.3	39.8	16.4	
Heavenly Valley	3/27	63	26.2	47.0	-	
Lake Lucille (Calif.)	3/31	138	64.1	95.3	56.3	
Marlette Lake	3/25	52	21.7	45.4	20.1	
Richardsons #2 (Calif.)	3/30	26	10.2	30.6	14.9	
Rubicon #1 (Calif.)	3/31	119	47.9	82.8	47.2	
Rubicon #2 (Calif.)	3/31	65	27.8	58.8	28.3	
Tahoe City (Calif.)	3/28	0	0.0	27.0	8.1	
Upper Truckee (Calif.)	3/26	5	3.6	23.0	6.8	
Ward Creek #2 (Calif.)	3/30	79	35.0	82.4	42.3	
Ward Creek #3 (Calif.)	3/30	69	29.8	68.4	-	
<u>TRUCKEE RIVER</u>						
Boca #2 (Calif.)	3/27	0	0.0	15.5	3.7	
Brockway Summit (Calif.)	3/28	28	11.8	48.9	13.4 *	
Donner Park #2 (Calif.)	3/27	22	8.7	34.6	17.5 *	
Donner Summit (Calif.)	4/1	58	27.5	69.8	35.1	
Fordyce Lake (Calif.)	3/31	50	25.7	71.7	40.0	
Furnace Flat (Calif.)	3/31	73	37.8	84.5	46.8 *	
Independence Camp (Calif.)	3/31	35	14.7	46.7	22.0	
Independence Creek (Calif.)	3/31	10	4.8	29.1	12.8	
Independence Lake (Calif.)	3/31	92	39.7	66.5	40.5	
Little Valley	3/30	3	1.3	24.2	6.0 *	
Mt. Rose	4/2	74	32.7	81.7	32.4	
Mt. Rose Ski Area	3/26	103	43.9	-	-	
Sage Hen Creek (Calif.)	3/31	22	9.4	36.6	16.8	
Squaw Valley #2 (Calif.)	3/29	107	48.3	84.0	47.6 *	
Truckee #2 (Calif.)	3/28	20	7.8	30.4	14.2	
Webber Lake	3/26	61	24.8	54.4	31.1	
Webber Peak	3/26	99	42.3	18.1	42.5	
<u>CARSON RIVER</u>						
Blue Lakes	4/1	85	35.7	66.3	33.0	
Carson Pass, Upper (Calif.)	4/1	69	32.1	68.6	33.7	
Clear Creek	3/30	26	10.7	30.8	11.6	
Ebbetts Pass (Calif.)	3/24	83	33.2a	58.8a	-	
Fish Valley, Upper (Calif.)	3/24	30	12.0a	33.5a	15.4 *	
Poison Flat	3/24	26	10.4a	35.3a	13.9 *	
Wet Meadows Lake (Calif.)	3/24	54	21.6a	56.8a	-	
Wolf Creek (Calif.)	3/24	62	24.8a	56.8a	-	

† 1953-1967 period.

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME					Last Year	Average †
<u>WALKER RIVER</u>						
Buckeye Forks (Calif.)		3/31	48	19.7	54.4	19.0
Buckeye Roughs (Calif.)		3/30	33	13.4	47.7	17.8
Center Mountain		3/31	85	34.6	75.7	34.6
Leavitt Meadow (Calif.)		3/24	2	1.6	28.0	6.4 *
Lobdell Lake		3/24	28	11.2a	40.3a	-
Sonora Pass (Calif.)		3/24	51	19.6	51.4	22.6
Tioga Pass (Calif.)		3/31	69	28.0	56.6	23.3
Virginia Lakes (Calif.)		3/23	39	15.2	40.1	17.1
Virginia Lakes Ridge (Calif.)		3/23	40	12.8	37.3	-
Willow Flat (Calif.)		3/23	23	8.8	29.0	9.5
<u>NORTHERN GREAT BASIN</u>						
Bald Mountain		3/26	1	0.6	8.6	2.5
Barber Creek, (Calif.)		3/30	19	8.4	18.6	10.3 *
Cedar Pass (Calif.)		3/31	38	14.2	23.6	15.0
Denio Creek (Oreg.)		3/27	0	0.0a	2.1a	0.0 *
Disaster Peak		3/25	25	10.5	28.7	9.5
Dismal Swamp (Calif.)		3/27	46	18.4a	23.6a	17.6 *
Eagle Peak (Calif.)		4/1	34	14.0	-	14.2
49 Mountain		3/30	0	0.0	10.4	2.6 *
Hays Canyon		3/30	0	0.0	10.8	2.9 *
Little Bally Mountain		3/27	0	0.0a	7.6a	1.5 *
Oregon Canyon (Oreg.)		3/27	10	4.0a	12.2a	4.4 *
Quinn Ridge		3/27	0	0.0a	4.1a	0.8 *
Reservation Creek (Calif.)		3/31	17	7.5	18.0	10.3 *
Trout Creek (Oreg.)		3/27	20	8.0a	12.5a	7.9 *
<u>SNAKE RIVER</u>						
Bear Creek		3/27	67	22.6	27.3	19.1
Fox Creek		3/27	36	10.8	16.1	8.9 *
Goat Creek		3/27	67	19.5	22.6	18.3 *
Hummingbird Springs		3/27	81	25.8	30.0	22.0 *
Merritt Mountain		3/27	13	4.3a	14.8a	-
Pole Creek Ranger Station		3/27	70	22.1	23.0	19.7 *
Red Point		3/27	43	12.7	10.2	10.2 *
76 Creek		3/27	45	15.4	18.2	10.9 *
Stag Mountain		3/27	8	2.6a	13.9a	-
<u>OWYHEE RIVER</u>						
Big Bend		3/30	33	10.2	10.4	8.1
Columbia Basin		3/27	19	6.3a	19.2a	-
Fawn Creek		3/27	11	3.6a	8.4a	-
Gold Creek		3/30	20	7.0	8.0	4.7
Jack Creek, Lower		3/31	0	0.0	5.3	2.8

† 1953-1967 period.

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME					Last Year	Average †
<u>OWYHEE RIVER (Continued)</u>						
Jack Creek, Upper	3/27	36	10.5	12.4	9.8	
Jacks Peak	3/31	42	14.3	-	25.7 *	
Laurel Draw	3/27	23	8.8	-	7.2 *	
Louse Canyon (Oreg.)	3/27	0	0.0a	12.5a	1.6 *	
Taylor Canyon	3/30	0	0.0	10.4	2.9	
<u>UPPER HUMBOLDT RIVER</u>						
American Beauty	3/27	21	6.8a	13.7a	-	
Corral Canyon	4/2	53	15.7	29.2	17.7	
Dorsey Basin	4/1	30	14.2	14.3	12.2	
Dry Creek	3/30	0	0.0	7.0	2.2	
Fry Canyon	3/30	25	8.5	11.9	6.3	
Green Mountain	4/3	25	9.9	18.3	12.7	
Harrison Pass #1	4/3	0	0.0	7.4	2.2	
Harrison Pass #2	4/3	T	T	14.1	4.2	
Lamoille #1	No survey			7.4	9.0	
Lamoille #2	No survey			14.6	8.7	
Lamoille #3	No survey			17.2	11.8	
Lamoille #4	No survey			23.3	17.9	
Lamoille #5	No survey			32.8	26.5	
Pole Canyon	3/27	44	15.4a	10.2a	-	
Robinson Lake	3/27	87	30.5a	41.4a	-	
Rodeo Flat	3/30	21	6.7	8.9	5.8	
Ryan Ranch	3/31	0	0.0	0.0	0.4	
Tent Mountain	3/27	48	16.8a	27.5	-	
Tremewan Ranch	3/30	0	0.0	3.7	0.0	
Trout Creek, Lower	3/31	0	0.0	6.2	2.4	
Trout Creek, Upper	4/1	37	10.2	23.3	20.6	
<u>LOWER HUMBOLDT RIVER</u>						
Big Creek Campground	4/1	0	0.0	4.7	0.3	
Big Creek Mine	4/1	0	0.0	8.0	2.8 *	
Big Creek, Upper	4/1	7	2.4	10.0	6.1 *	
Buckskin, Lower	3/26	21	7.3	16.1	7.0	
Buckskin, Upper	3/26	32	12.8	14.1	9.2	
Corral, Lower	3/28	0	0.0	-	0.5 *	
Corral, Upper	3/28	0	0.0	-	2.1 *	
Golconda #2	3/25	T	T	13.6	2.7 *	
Granite Peak	3/26	55	20.4	25.6	12.6 *	
Lamance Creek	3/25	18	8.4	18.4	7.0 *	
Martin Creek	3/26	26	9.8	22.5	8.2	
Midas	3/27	T	T	17.8a	1.6 *	
Toe Jam	3/27	19	6.3a	19.2a	-	

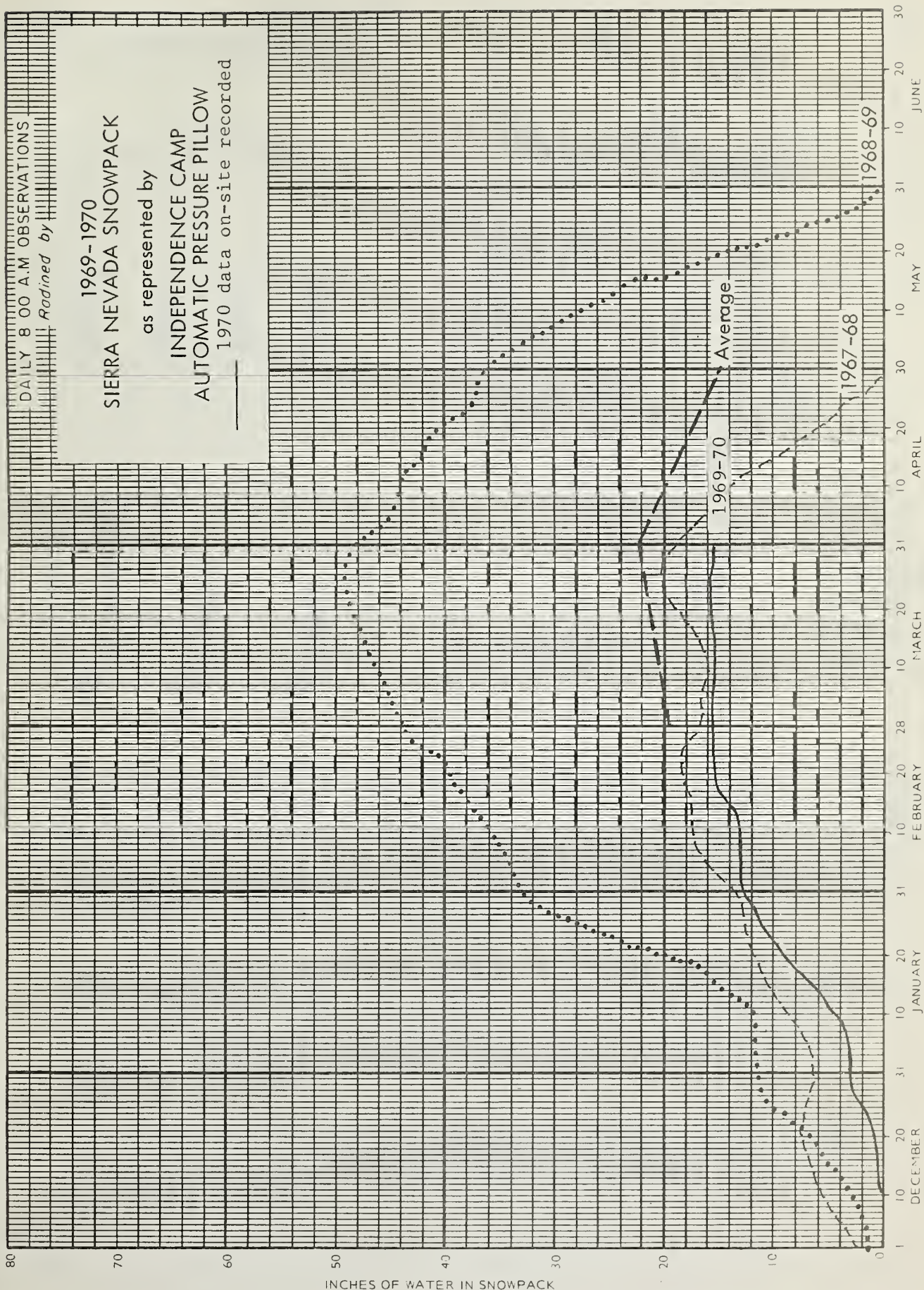
† 1953-1967 period.

SNOW COURSE MEASUREMENTS

SNOW COURSE MEASUREMENTS		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Last Year				Average †	
<u>EASTERN NEVADA</u>						
Baker #1	3/24	15	4.0	16.1	5.3	
Baker #2	3/24	39	11.1	25.0	13.9	
Baker #3	3/28	41	12.7a	25.2a	16.0	
Berry Creek	3/25	45	13.1	23.2	14.1	
Bird Creek	3/25	3	0.6	4.7	2.2	
Cave Creek	No survey			25.9	12.6 *	
Hager Canyon	No survey			25.9	17.9 *	
Hole-in-Mountain	3/30	74	25.3	26.6	21.8 *	
Kalamazoo Creek	3/26	14	4.3	9.8	5.4 *	
Mt. Defiance	3/28	47	15.0	-	-	
Murray Summit	3/23	0	0.0	11.0	1.4	
Robinson Summit	3/23	0	0.0	6.1	0.7	
Silver Creek #2	3/28	8	2.5a	7.4a	5.4 *	
Ward Mountain #2	3/28	19	6.1a	17.3a	13.2 *	
White River #1	3/23	0	0.0	10.9	1.0 *	
<u>CENTRAL GREAT BASIN</u>						
Campito Mountain (Calif.)	4/6	T	T	19.8	5.0 *	
Chiatovich Flat	3/24	0	0.0a	16.3a	-	
Clark Canyon	3/31	11	3.8	27.6	5.6	
Montgomery Pass	3/30	0	0.0	9.3	0.4 *	
Pinchot Creek	3/24	12	4.8a	5.4a	4.7 *	
Piute Pass (Calif.)	3/24	0	0.0a	17.5a	6.9 *	
Trough Springs	3/31	9	3.0	-	3.8	
<u>LOWER COLORADO RIVER</u>						
Kyle Canyon	3/30	Destroyed		36.5	6.2	
Lee Canyon #2	3/30	19	6.3	33.6	6.8	
Lee Canyon #3	3/30	7	2.3	31.6	5.1 *	
Mathew Canyon	4/3	0	0.0	7.1	0.2	
Pine Canyon	4/3	0	0.0	5.7	0.2	
Rainbow Canyon #2	3/30	20	7.3	48.3	12.6	
<p>NOTE: All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1953-67 adjusted average.</p>						

† 1953-1967 period.

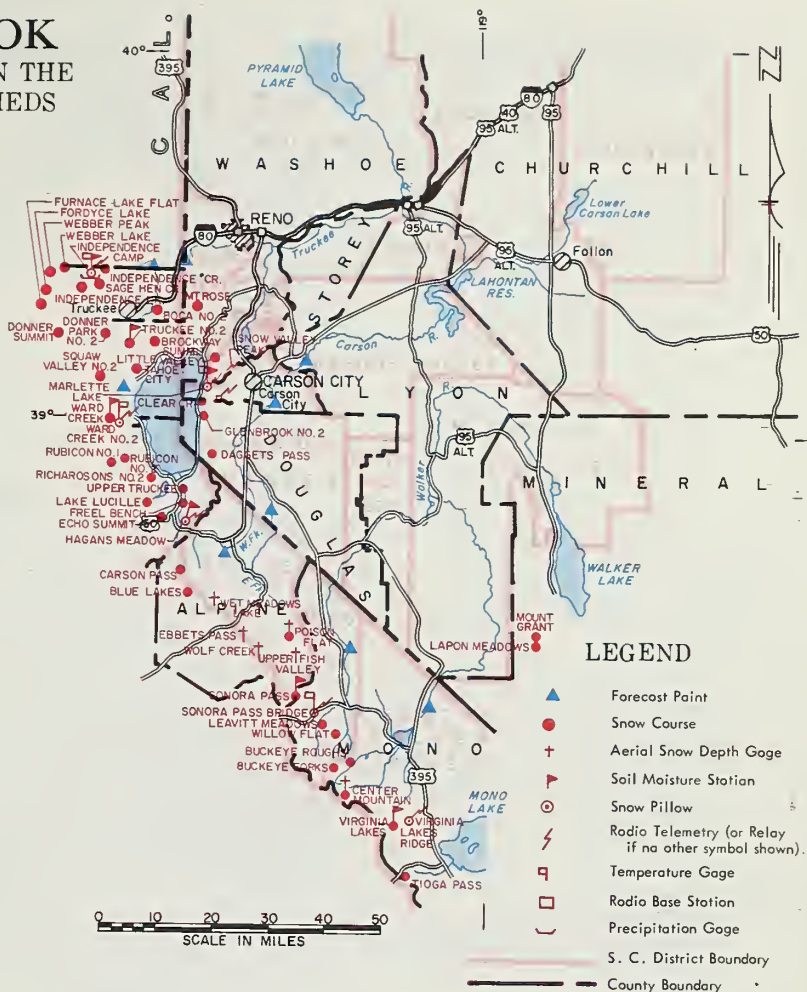
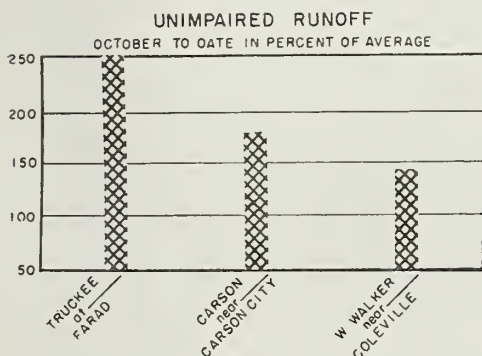
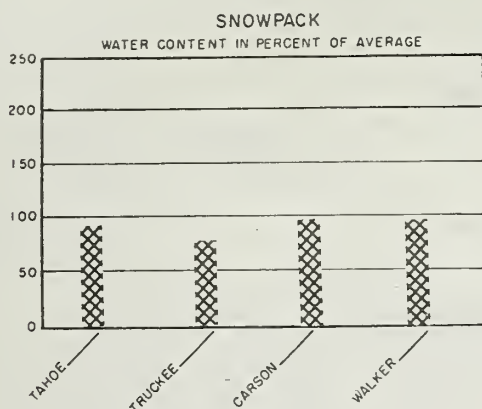
U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION





WATER SUPPLY OUTLOOK

FOR THE SOIL CONSERVATION DISTRICTS IN THE TRUCKEE, CARSON and WALKER WATERSHEDS



THE APRIL 1, 1970, MOUNTAIN SNOWPACK ON THE EAST SLOPE OF THE SIERRA NEVADA RANGES FROM 77 PERCENT OF NORMAL ON THE LITTLE TRUCKEE DRAINAGE TO 94 PERCENT ON THE CARSON AND WALKER DRAINAGES. DURING MARCH, WARM TEMPERATURES COUPLED WITH BELOW-NORMAL SNOWFALL DEPLETED MUCH OF THE SNOWPACK THROUGHOUT THE AREA COVERED BY THIS REPORT. THE SNOWPACK IN THE LOW-ELEVATION AREAS HAS MELTED, AND MANY OF THE HIGH-ELEVATION SNOW FIELDS HAVE LOST WATER DURING THE MONTH. THIS SITUATION REDUCED THE AMOUNT OF RUNOFF EXPECTED ABOUT 10 PERCENT FROM THE PREDICTED AMOUNTS FORECAST ON MARCH 1.

RESERVOIR STORAGE THROUGHOUT THE TRUCKEE, CARSON, AND WALKER DRAINAGES REMAINS EXCELLENT AT THIS TIME. CURRENTLY, TOPAZ AND BRIDGEPORT RESERVOIRS ON THE WALKER RIVER SYSTEM ARE COMPLETELY FULL. ON THE CARSON RIVER DRAINAGE, LAHONTAN RESERVOIR CONTAINS 113 PERCENT OF AVERAGE STORAGE FOR THIS DATE. WATER HELD IN STORAGE IN LAKE TAHOE IS SIMILARLY MUCH ABOVE AVERAGE AT 141 PERCENT.

THIS ABUNDANT RESERVOIR STORAGE, COUPLED WITH THE NEAR-AVERAGE STREAMFLOW EXPECTED THIS SUMMER, MAKES IT POSSIBLE FOR WATER USERS LOCATED IN THE TRUCKEE, CARSON, AND WALKER RIVER VALLEYS TO LOOK FORWARD TO ANOTHER GOOD WATER SUPPLY THIS YEAR.

Report prepared by
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U.S.D.A., SOIL CONSERVATION SERVICE
P.O. Box 4850 Reno, Nevada
In cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr. - July SUMMARY of SNOW MEASUREMENTS

FORECAST POINT	FORECAST	% of Average	Average †
Little Truckee above Boca, Calif.	65	80	81
Truckee at Farad, Calif.	210	81	258
Lake Tahoe Rise (assuming gates closed)	1.20	86	1.39
East Carson near Gardnerville, Nev.	160	91	175
West Carson at Woodfords, Calif.	51	100	51
Carson River near Carson City	153	92	166
Carson River near Fort Churchill	135	90	150
East Walker near Bridgeport, Calif.	60	100	60
West Walker below Little Walker near Coleville, Calif.	150	105	143

WATERSHED	This Years Snow as % of Average †
Tahoe	91
Truckee	77
Carson	94
Walker	94

RESERVOIR STORAGE (Thousand Acre Feet)

RESERVOIR	Capacity	This Year	Average †
Tahoe	732	611	431
Boca	41	27	11
Prosser	30	10	9*
Lahontan	286	246	217
Topaz	59	60	44
Bridgeport	42	43	34

SUMMARY of SOIL MOISTURE

RIVER BASIN	This Years Moisture as % of Average †
Truckee	56
Carson	64
Walker	60

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
East Carson near Gardnerville	200	7/18	7/23

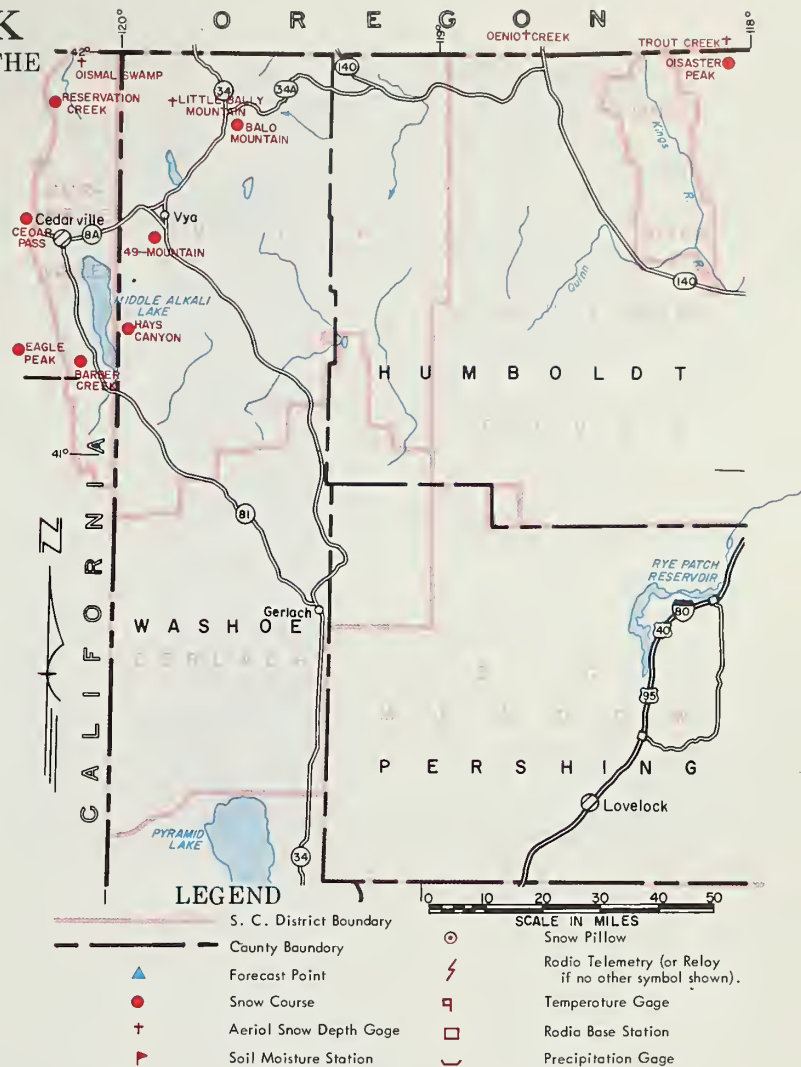
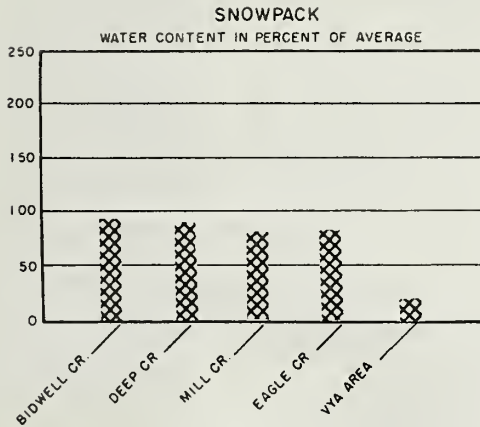
PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Little Truckee River - Inflow to Stampede	760 - 840	902
East Fork Carson, near Gardnerville, Nev.	1475 - 1630	1724
Carson River, near Carson City	1480 - 1640	1825
Carson River at Fort Churchill	1425 - 1575	1678
West Walker Below Little Walker, near Coleville, Calif.	1520 - 1680	1548

+ 1953-1967 period.

WATER SUPPLY OUTLOOK

FOR THE SOIL CONSERVATION DISTRICTS IN THE
SURPRISE VALLEY, CALIFORNIA,
and NORTHWEST NEVADA



THE APRIL 1, 1970, SNOWPACK RANGES FROM 82 TO 93 PERCENT OF AVERAGE IN THE WARNER MOUNTAINS OF NORTHERN CALIFORNIA. SNOW COURSES IN THE MOUNTAINS EAST OF CEDARVILLE INDICATE THAT MOST OF THE SNOWPACK IN THIS AREA HAS ALREADY MELTED THIS SPRING.

DUE TO LACK OF SNOW AND THE WARM TEMPERATURES EXPERIENCED DURING MARCH, THE MOUNTAIN SNOWPACK HAS DISSIPATED SOMEWHAT SINCE THE MARCH 1 MEASUREMENT DATE. STREAMS THAT SERVE WATER USERS LOCATED IN THE SURPRISE VALLEY SOIL CONSERVATION DISTRICT ARE PREDICTED TO HAVE NEAR-AVERAGE FLOWS THIS SUMMER.

THE SOIL CONSERVATION SERVICE HAS ESTABLISHED TWO NEW SNOW COURSES IN THE BIDWELL CREEK DRAINAGE THIS YEAR. THE APRIL 1 MEASUREMENTS ON THESE COURSES ARE AS FOLLOWS:

NORTH STAR, LOCATED AT AN ELEVATION OF 6200 FEET, HAS 31 INCHES OF SNOW CONTAINING 13.6 INCHES OF WATER.

MT. BIDWELL, AT A 7200-FOOT ELEVATION, HAS 55 INCHES OF SNOW CONTAINING 25.0 INCHES OF WATER.

STREAMFLOW FORECASTS (1000 Ac. Ft.)

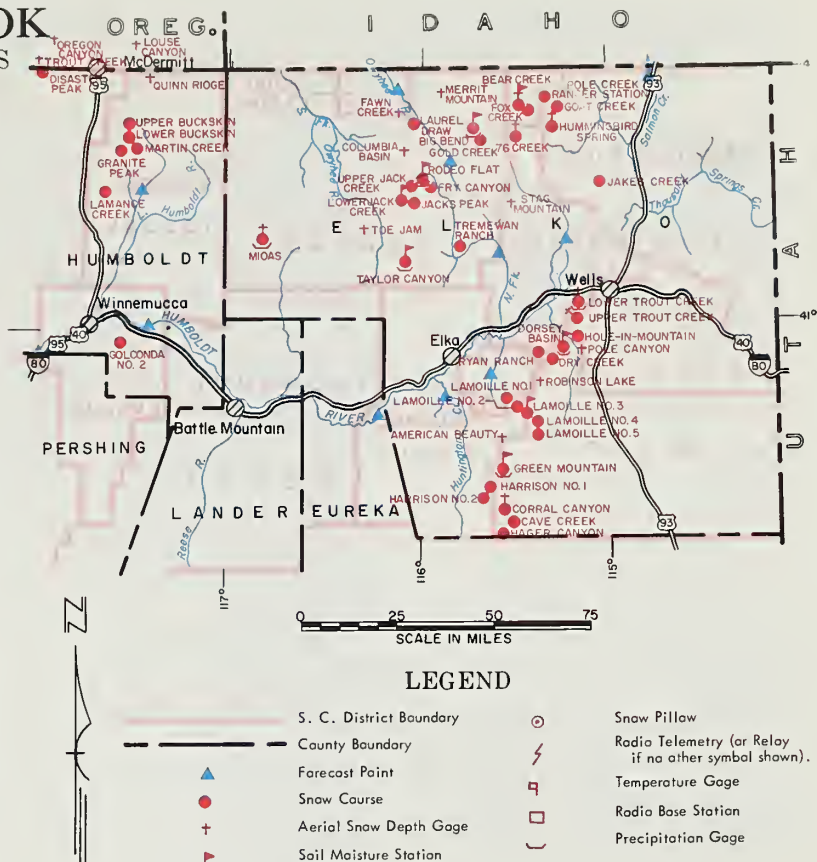
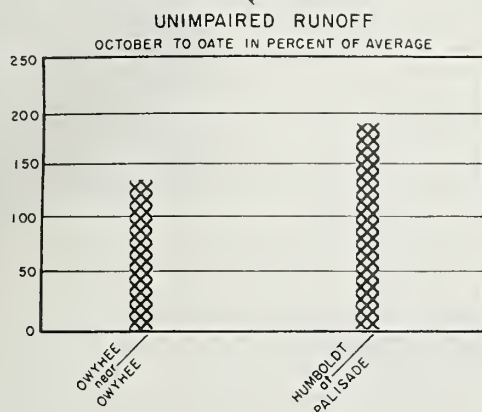
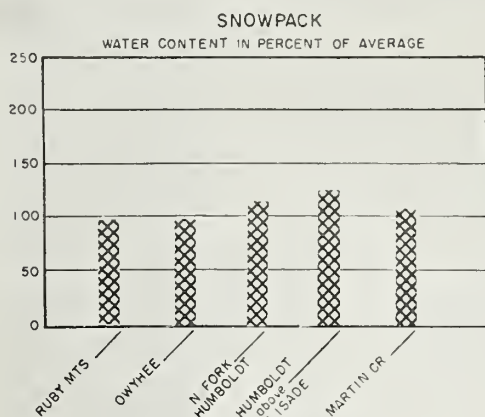
FORECAST POINT	FORE-CAST	% of Average	Average ⁺
Bidwell Creek, near Fort Bidwell, Calif.	11.3	98	11.5
Deep Creek above all diversions	3.3	100	3.3
Eagle Creek at Eagleville, Calif.	4.3	100	4.3
Mill Creek above all diversions	4.5	96	4.7

SUMMARY of SNOW MEASUREMENTS

WATERSHED	This Years Snow as % of Average ⁺
Bidwell Creek	93
Deep Creek	89
Eagle Creek	86
Mill Creek	82

WATER SUPPLY OUTLOOK

FOR THE SOIL CONSERVATION DISTRICTS
IN THE
HUMBOLDT and OUYHEE WATERSHEDS



THE APRIL 1, 1970, SNOW COVER THROUGHOUT THE HUMBOLDT, OUYHEE, AND SNAKE RIVER DRAINAGES IN NEVADA IS GENERALLY ABOVE AVERAGE. THE MOUNTAINS IN THE OUYHEE AND SNAKE RIVER DRAINAGES COMPRISE THE ONLY AREA IN THE STATE TO RECEIVE AN AVERAGE AMOUNT OF SNOWFALL DURING MARCH. THE SNOWPACK IN THE AREA COVERED BY THIS REPORT RANGES FROM 24 PERCENT GREATER THAN NORMAL DOWN TO NEAR AVERAGE FOR THIS DATE. TYPICALLY, THROUGHOUT THE AREA, HOWEVER, THE LOW-ELEVATION SNOWPACK IS VERY LIGHT, WHILE THE HIGH MOUNTAIN WATERSHED HAS A VERY GOOD SNOW COVER.

RESERVOIR STORAGE ON THE LOWER HUMBOLDT IS EXCELLENT. RYE PATCH RESERVOIR CONTAINS 181,000 ACRE-FEET OF STORAGE WHICH IS SLIGHTLY ABOVE CAPACITY. THIS STORAGE WATER REPRESENTS 215 PERCENT OF THE USUAL AMOUNT CONTAINED IN THE RESERVOIR BY THIS DATE. THIS EXCELLENT CARRYOVER STORAGE, COUPLED WITH THE ABOVE-NORMAL STREAMFLOW PREDICTED FOR THIS SUMMER, ASSURES WATER USERS IN THE LOWER HUMBOLDT AREA A VERY GOOD WATER YEAR.

STREAMFLOW THROUGHOUT THE UPPER HUMBOLDT AND ITS MAJOR TRIBUTARIES ALSO WILL BE ABOVE AVERAGE THIS SUMMER. SIMILARLY, WATER USERS LOCATED IN THE OUYHEE AND UPPER SNAKE DRAINAGES CAN LOOK FORWARD TO GREATER-THAN-AVERAGE STREAMFLOW THIS COMING SUMMER.

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr.-July

FORECAST POINT.	FORECAST	% of Average	Average ⁺
Lamoille Creek near Lamoille, Nev.	24	96	25
South Fork Humboldt near Elko, Nev.	56	97	58
Marys River above Hot Springs, Nev.	34	121	28
North Fork Humboldt at Devils Gate, Nev.	28	108	26
Humboldt River at Palisade, Nev.	177	115	154
Humboldt River at Comus, Nev.	130	118	110
Martin Creek near Paradise, Nev.	17	121	14
Owyhee River near Owyhee, Nev.	73	122	60
Owyhee River near Gold Creek, Nev.	18	112	16
Salmon Falls Creek near San Jacinto, Nev.	85	128	67
March-July streamflow			

SUMMARY of SNOW MEASUREMENTS

WATERSHED	This Years Snow as % of Average ⁺
Lamoille	Data delayed
South Fork Humboldt	95
North Fork Humboldt	124
Owyhee	98
Lower Humboldt	122
Martin Creek	110
Kings and Quinn Rivers	111

SUMMARY of SOIL MOISTURE

RIVER BASIN	This Years Moisture as % of Average ⁺
Humboldt, North Fork	66
Humboldt, South Fork	40

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Franklin River	Fair	Average
Kings River	Fair	Average
Little Humboldt River	Average	Average
Quinn River	Fair	Average

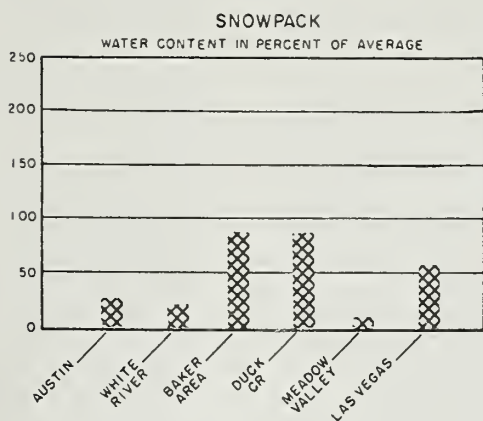
RESERVOIR STORAGE (Thousand Acre Feet)

RESERVOIR	Capacity	This Year	Average ⁺
Rye Patch	179	181	84
Wild Horse	72	14	18

⁺ 1953-1967 period.

WATER SUPPLY OUTLOOK

FOR THE SOIL CONSERVATION DISTRICTS IN
EAST CENTRAL and SOUTHERN NEVADA



THE APRIL 1, 1970, SNOWPACK IN CENTRAL AND SOUTHERN NEVADA RANGES FROM 20 PERCENT BELOW AVERAGE, NEAR ELY, TO NON-EXISTENT ON THE WHITE RIVER AND MEADOW VALLEY WASH DRAINAGES. SNOW COURSES ON THE REESE RIVER ABOVE AUSTIN HAVE A VERY LIGHT SNOWPACK, WITH ONLY 26 PERCENT OF THE NORMAL EXPECTED BY APRIL 1. SINCE 1941, THERE HAS BEEN LESS SNOW ON THE HEADWATERS OF THE REESE RIVER AND ITS TRIBUTARIES ON THIS DATE ONLY TWO TIMES. FISH LAKE VALLEY AND THE MT. CHARLESTON AREA HAVE A VERY LIGHT SNOWPACK THIS SEASON. THERE HAS BEEN LESS SNOW ON THESE WATERSHEDS ONLY FIVE YEARS DURING THE PAST 25.

WATER SUPPLIES IN WHITE PINE COUNTY ARE EXPECTED TO BE ABOUT 75 PERCENT OF NORMAL THIS SPRING AND SUMMER. SURFACE WATER SUPPLIES FOR THE REMAINDER OF THE AREA COVERED BY THIS REPORT WILL BE VERY DEFICIENT THIS YEAR. GROUND WATER RECHARGE IN PAHRUMP, FISH LAKE VALLEY, AND OTHER SIMILAR VALLEYS IS PREDICTED TO BE GREATER THAN AVERAGE THIS YEAR, DUE TO THE RECORD 1968-69 SNOWPACK.

STREAMFLOW FORECASTS (1000 Ac. Ft.)

FORECAST POINT	FORE-CAST	% of Average	Average ⁺
Virgin River at Virgin, Utah	25	66	38

SUMMARY of SNOW MEASUREMENTS

WATERSHED	This Years Snow as % of Average ⁺
Duck Creek	83
Fish Lake Valley	41
Meadow Valley Wash	10
Mt. Charleston Area	66
Reese River	26

RESERVOIR STORAGE (Thousand Acre Feet)

RESERVOIR	Capacity	This Year	Average ⁺
Mohave	1,810	1,609	1,695
Mead	27,217	16,597	16,070

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Baker Creek	Fair	Average
Duck Creek	Fair	Fair
Silver Creek	Fair	Fair
Meadow Valley Wash	Poor	Poor
White River	Poor	Poor
Reese River	Poor	Poor

Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

Agricultural Research Service
Army
Bureau of Reclamation
Fish and Wildlife Service
Forest Service
Geological Survey
Navy
Soil Conservation Service
U. S. District Court - Federal Water Master
Weather Bureau

STATE

California Cooperative Snow Surveys
California Department of Parks and Recreation
California Department of Water Resources
Colorado River Commission of Nevada
Idaho Cooperative Snow Surveys
Nevada Association of Soil Conservation Districts
Nevada Cooperative Snow Surveys
Nevada Department of Conservation & Natural Resources
 Division of Water Resources
 Nevada State Forester-Firewarden
Oregon Cooperative Snow Surveys
University of Nevada
Utah Cooperative Snow Surveys
White Mountain Research Station, Univ. of California

PRIVATE

Amalgamated Sugar Company
Kennecott Copper Corporation
Nevada Irrigation District
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Pacific Gas & Electric Company
Pershing County Water Conservation District
Sierra Pacific Power Company
Squaw Valley Development Company
Truckee-Carson Irrigation District
Walker River Irrigation District
Washoe County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

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supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*